

RESPONSE

Support

Applicants have amended claim 1 to specify that component (A) is selected from: (i) the reaction product of a C12 to C20 alkenylsuccinic anhydride and an alkanolamine; (ii) the reaction product of a mixture of polyisobutenylsuccinic anhydrides derived from 1500 to 3000 and 200 to 1500 molecular weight high vinylidene polyisobutylene, ethylene glycol, and dimethylaminoethanol; or (iii) the reaction product of a polyisobutenylsuccinic anhydrides derived from 1500 to 3000 molecular weight high vinylidene polyisobutylene and heavy polyethylenepolyamines. Form component (A)(i), the reaction product of a polyisobutenyl succinic anhydride derived from 200 to 1500 molecular weight high vinylidene polyisobutylene and polyethylenepolyamine, is no longer included in the claims. Support for this amendment is found in the claims themselves.

No other elements of the claims have been amended.

Response

The Examiner rejected claims 1, 3, 8, 10, and 12-14 under 35 U.S.C. 103(a) as being unpatentable over Cherpeck (US 5916825) in combination with Nakazato (US 6569818). The Examiner also rejected claims 17-21 under 35 U.S.C. 103(a) as being unpatentable over Cherpeck in combination with Nakazato and further in view of Moreton (US 6514297) and Peirce-Ruhland (US 5407453).

The Examiner reads Cherpeck as teaching an additive that meets the limitations of component (A)(i) as defined in the previous claims, specifically, a the reaction product of a polyisobutenyl succinic anhydride derived from 200 to 1500 molecular weight high vinylidene polyisobutylene and polyethylenepolyamine. The Examiner then used the rest of the teachings of Cherpeck and the other cited references to reach the rest of the limitations of the claims. All of the rejections are based on this reading of Cherpeck and the Examiner does not indicate that any of the other additives described under component (A) of the claims are taught by any of the cited references.

The claims have been amended by removing former component (A)(i) from the list of additives included in component (A) and the components have been renumbered. As a result the claims based on Cherpeck must be removed, as Cherpeck has been read as teaching only former component (A)(i). Thus all the current rejections have been addressed.

Conclusion.

For the foregoing reasons it is submitted that the present claims are novel and unobvious over the cited references, and in condition for allowance. The foregoing remarks are believed to be a full and complete response to the outstanding office action. Therefore an early and favorable reconsideration is respectfully requested. If the Examiner believes that only minor issues remain to be resolved, a telephone call to the Undersigned is suggested.

Any required fees or any deficiency or overpayment in fees should be charged or credited to deposit account 12-2275 (The Lubrizol Corporation).

Respectfully submitted,

/Christopher D. Hilker #58,510/

Phone: (440) 347-4231
Telefax: (440) 347-1110

The Lubrizol Corporation
29400 Lakeland Blvd.
Wickliffe, OH 44092-2298

Christopher D. Hilker
Attorney for Applicant
Reg. No. 58,510